

Elvax® 3128-1

Ethylene Vinyl Acetate Copolymer
DuPont Packaging & Industrial Polymers

Message:

DuPont™ Elvax® 3128-1 is an extrudable ethylene-vinyl acetate copolymer resin available in pellet form for use in conventional extrusion equipment designed to process polyethylene resins.

Composition

9.3 % By Weight Vinyl Acetate comonomer content

Thermal Stabilizer: BHT antioxidant

Applications

This resin is designed to provide a low temperature heat seal to itself or many other materials commonly used in flexible packaging applications. The melt properties of this resin allow it to be processed on blown film equipment over a wide range of film thickness and blow-up ratios. It can also be co-extruded with a variety of other polymers. This resin is typically used as low temperature seal layer in co-extruded films.

General Information			
Additive	Antioxidant		
	Heat Stabilizer		
Features	Antioxidant		
	Copolymer		
	Food Contact Acceptable		
	Good Flexibility		
	Good Heat Seal		
	Heat Stabilized		
	Low Temperature Heat Sealability		
Uses	Film		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1350(a)(1)		
Forms	Pellets		
Processing Method	Blown Film		
	Coextruded Film		
	Coextrusion		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238, ISO 1133
Vinyl Acetate Content	9.3	wt%	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	83.0	°C	ASTM D1525, ISO 306

Peak Melting Temperature	99.0	°C	ASTM D3418, ISO 3146
Freezing Point ¹			
--	83	°C	ISO 3146
--	83	°C	ASTM D3418
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	135	°C	
Cylinder Zone 2 Temp.	160	°C	
Cylinder Zone 3 Temp.	185	°C	
Cylinder Zone 4 Temp.	185 to 210	°C	
Cylinder Zone 5 Temp.	185 to 210	°C	
Adapter Temperature	185 to 210	°C	
Melt Temperature	160 to 235	°C	
Die Temperature	185 to 210	°C	
NOTE			
1.	DSC		

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